

UTS-9500 Universal Topside Quick Start Guide

P/N M310980-NFC, Rev. A

Use this quick start guide to start up the UTS-9500 deck unit and prepare it for use with subsea equipment.

Charging the UTS-9500:

Note: The UTS-9500 should never be stored for a long period with discharged batteries. Doing so may shorten the life of the rechargeable batteries within the unit. Always ensure the UTS-9500 batteries are charged before and after service.

1. Connect the power cord to the UTS-9500's PWR socket, plug the cord into an AC outlet (100–240 VAC, 2-5A, 47–63 Hz).
2. Allow the unit to charge for six to eight hours.

Connecting the Dunking Transducer:

1. Connect the transducer cable to the UTS-9500's XDCR socket, twisting the lock ring into position so it is secured.
2. Connect the other end of the transducer cable to the pins on the top of the dunking transducer, and screw the lock collar into place so it is secured.
3. Shackle the wire mesh grip at the transducer end of the cable to the transducer housing to relieve strain on the connector.

Powering On the UTS-9500:

1. With charged batteries or a connected AC power source, twist the momentary power switch to the 'I' symbol to turn the unit ON.
2. Within two seconds the screen should illuminate solid blue, followed shortly thereafter by a Teledyne Marine splash screen. A series of dots on the screen will animate to indicate the unit is booting.
3. When system boot is complete the UTS-9500 application title will overlay the splash image. A progress bar will indicate the current stage of initialization, eventually ending at "Ready!" and playing a short melody through the speaker.
4. The system will present the Home Port screen or whatever user-selected screen had been previously saved as the start-up default. The UTS-9500 is now ready to be used for subsea operations.

Setting the Speaker Volume:

Note: Enabling the speaker allows acoustic communications to be monitored and can help in diagnosing noise and interference issues. It is strongly recommended that the speaker be used during field operations with master and system sound volumes adjusted to comfortable levels.

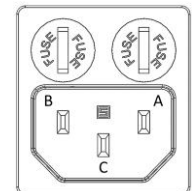
1. Tap the speaker icon on the top status bar to mute or unmute the system speaker.
2. Press and hold the speaker icon on the top status bar to reveal a slider volume control that may be used to adjust the master speaker volume.
3. For finer control of subsea and system volume levels, press the "Settings" button on the sidebar menu followed by "UI Prefs," then press the "Screen/Sound" tab.
4. Use the "Master Volume" slider and mute button to control *overall* volume coming from the speaker, including both transducer and system sounds.
5. Use the "Sys. Sound Volume" slider and mute button to control only the volume of system sounds (e.g., touch beeps), before the "Master Volume" is applied.

Adjusting the Time and Date:

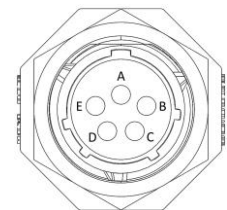
1. To adjust the time, date, and system time zone press the time/date control in the upper-right corner of the display. The Time/Date screen will display.
2. Adjust the time and date to the desired values, then press the "Set Time & Date" button to effect the changes. If a GNSS device is attached, selecting "Use GNSS" will automatically set the UTS time and date from the GNSS data feed.
3. Time Zone and Format (12H/24H) may also be selected; these take effect immediately.



UTS-9500 Front Panel



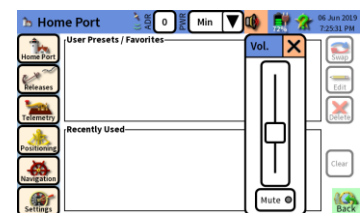
PWR Connector



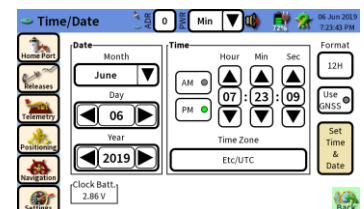
XDCR Connector



Splash Screen



Master Volume Control



Time/Date Screen

Communicating with Subsea Equipment:

1. Set the local address, transmit power, and speaker volume of the UTS-9500 using the status bar across the top of the screen. These may alternately be adjusted by pressing “Settings” on the side bar menu followed by “Topside,” then pressing the “Config” tab.
2. Select the activity to be performed from the sidebar menu: “Releases” for administering to acoustic releases, “Telemetry” for data communications with subsea modems, or “Positioning” for ranging/transponding to a multitude of subsea devices.
3. Choose the appropriate target subsea device from the subsequent submenu.
4. Set the address of the remote subsea device (if applicable) using the address button on any of the activity tabs.
5. Set the desired acoustic timeout under the “Config” activity tab for all operations other than Ranging/Transponding.
6. For Ranging/Transponding, set the acoustic timeout with the “Timeout / Rpt. Rate” control under the “Range” or “Xpnd” activity tab.
7. Release-related activities can be found under the “Release” activity tab.
8. Communications-related activities can be found under the “Comms” activity tab.
9. Ranging and Transponding activities can be found under the “Range” and “Xpnd” activity tabs, respectively.
10. Topside and subsea configuration can be performed under the “Config” activity tab.
11. System and acoustic diagnostics can be performed under the “Diag” activity tab.

Adjusting User Interface Preferences:

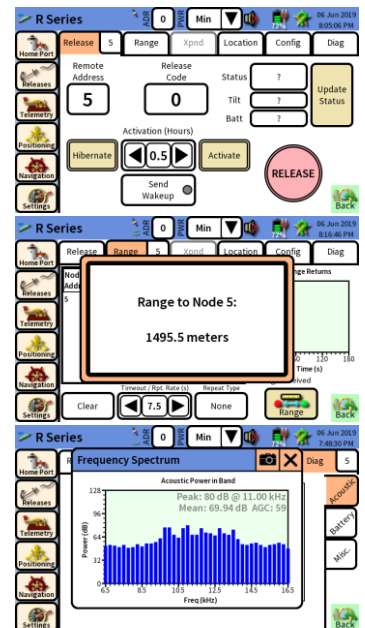
1. Press the “Settings” button on the sidebar menu, and then press the “UI Prefs” button on the displayed submenu. The UI Preferences screen will display.
2. Select the “Screen/Sound” tab to change settings related to video or sound.
3. Adjust system volumes and backlight brightness using the slider controls.
4. Select desired graphical theme with the “Theme” drop-down menu.
5. Configure the screen power-saver with the “Screen Saver” controls.
6. Enable or disable touch screen beeps with the “Touch Beeps” button.
7. Select the “Units” tab to change the measurement units displayed on other screens.
8. To make settings permanent press the “Settings” button on the sidebar menu, and then press the “Save” button on the displayed submenu. This will also save the currently displayed screen as the start-up default.

Obtaining Help:

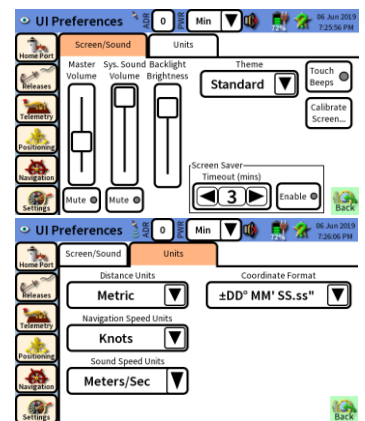
1. Context-sensitive help on any screen may be obtained by pressing the help button on the top status bar.
2. Help may also be accessed by pressing “Settings” on the side menu bar followed by “Help.”
3. Choose “This Page” for context-sensitive help, “General” for general system help, or “About” for system version information.

Calibrating the Touchscreen Display:

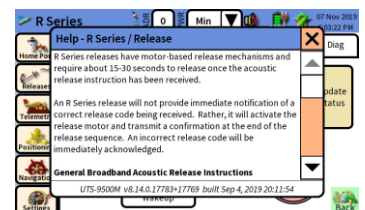
1. Press the “Settings” button on the sidebar menu, and then press the “UI Prefs” button on the displayed submenu. The UI Preferences screen will display.
2. Press the “Calibrate Screen...” button followed by the “OK” button on the resultant dialog box.
3. Remove any pressure from the screen and after a two-second delay the calibration utility will run.
4. Using a fine-pointed (but not sharp) object, carefully tap the screen where the five touch targets are displayed. Take care to avoid double-tapping on any one target.
5. The UTS-9500 application will restart with the new screen calibration in effect.
6. If the calibration is faulty and the menu system can no longer be accessed, refer to the UTS-9500 User’s Manual for an alternate calibration recovery method.



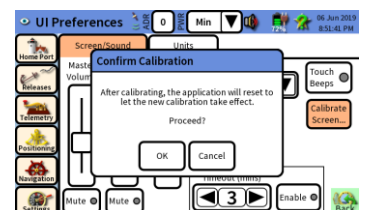
Subsea Function Screens



UI Preferences



Help Screen



Calibration Screens